

REPSOL AYLIN BIO

HIGH-PURITY LIQUEFIED GASES BIO-ISCC PLUS ORIGIN (BUTANES/PROPANE)

Description

REPSOL AYLIN BIO range are liquefied gases produced from mixes of refinery streams of different origins, specially treated and hydrogenated to provide them with high levels of purity. The main components are Butanes (isobutane and n-butane) and propane.

These products contain 100% of renewable and organic origin materials, measured by the mass-balance method and recorded and certified by the ISCC PLUS Certification.

Products with less than 100% percentage of renewable material are also available. In that cases, they will be renamed as REPSOL AYLIN 35/38/45 B%, where % indicates the renewable material wage percentage in that product.

REPSOL AYLIN BIO range are products committed to the environment and sostenibility; they reduce the use of non- renewable fossil materias and substitute them by renewable organic material of vegetal origin, reducing the environmental impact and supporting the Bioeconomy.

Applications

The products in the REPSOL AYLIN BIO range are designed to act as propulsion mediums in packaged products (propellants) for various aerosol applications (air fresheners, insecticides, gardening, cosmetics, etc.) and as packaging gases in containers, preferably made of plastic (polymer expansion).

Its features include:

- Sustainable products.
- Highly balanced composition that ensures proper vapour pressure for each application.
- High oxidation resistance and very good storage stability.
- Zero corrosiveness.
- Environmentally friendly (Products neither pollute the environment nor damage the ozone layer).

Packaging

In bulk. 20-25 TM tanks.

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Technical Characteristics

	Unit	Method	35 BIO	38 BIO	45 BIO
Vapour pressure at 20 °C	Kg/cm2 rel	Calculation	2.3-2.7	2.5-2.9	3.0-3.4
Vapour pressure at 20 °C	psi a	Calculation	47.4-53.1	50.3-55.9	57.4-63
Content greater than C4	% v/v	ASTM D-2163	<0.05*	<0.05*	<0.05
Ethane content	% v/v	ASTM D-2163	<0.5*	<0.5*	<1
Unsaturated	% v/v	ASTM D-2163	<0.1*	<0.1*	<0.1
1,3-butadiene	% v/v	ASTM D-2163	<0,001*	<0,001*	<0,001
Residue	% v/v	ASTM D-2158	<0.1*	<0.1*	<0.1
Sulphur	ppm	ASTM D-6667	<5*	<5*	<5
Moisture	ppm	UOP-344	<25*	<25*	<25
Smell	-	Organoleptic	Exempt	Exempt	Exempt

Unless otherwise indicated, the values presented in the technical data should be considered as typical values.

* calculated values